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U.S. Decennial Life Tables for 1979-81

Volume II, State Life Tables
Number 24, Minnesota

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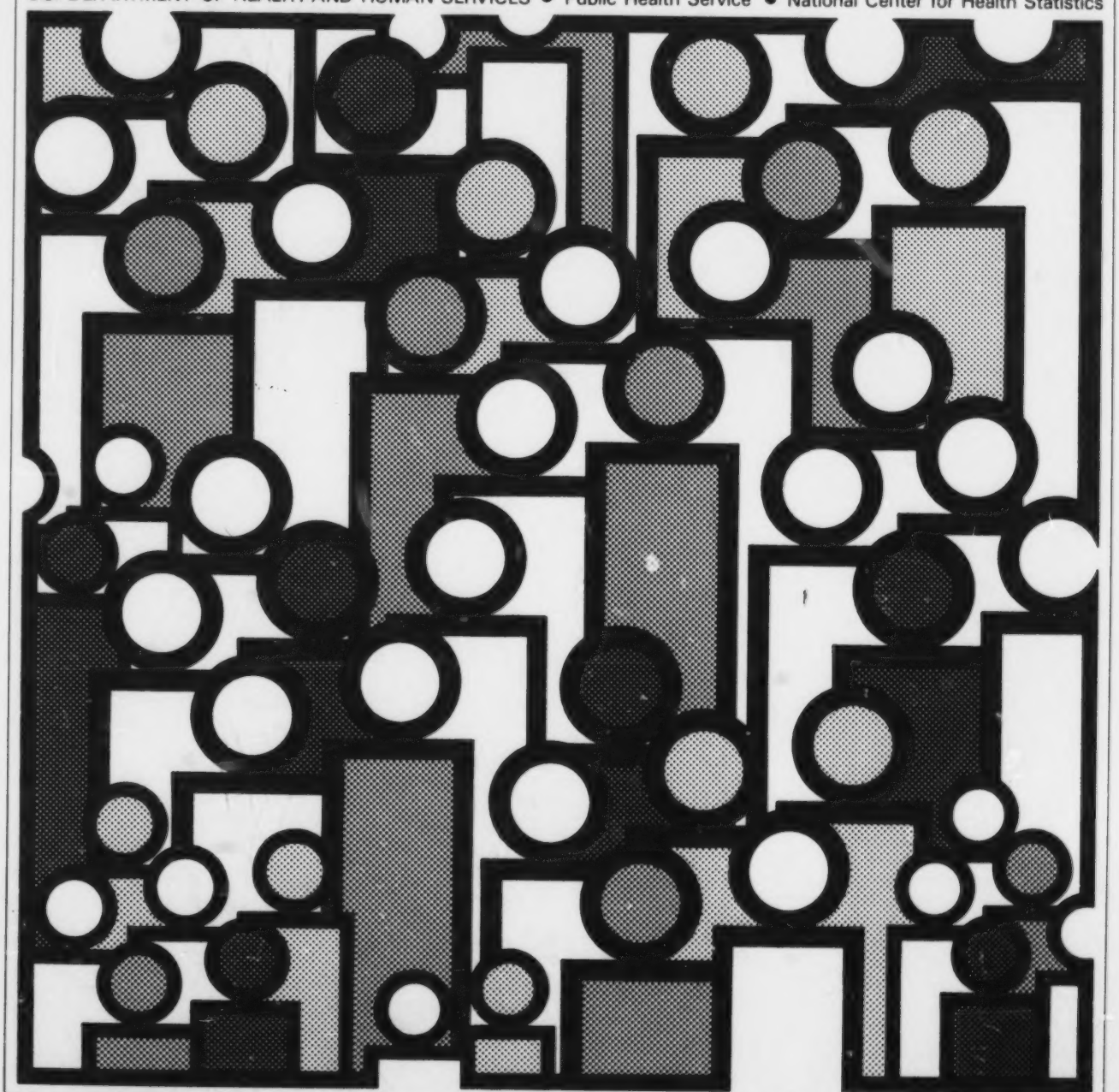

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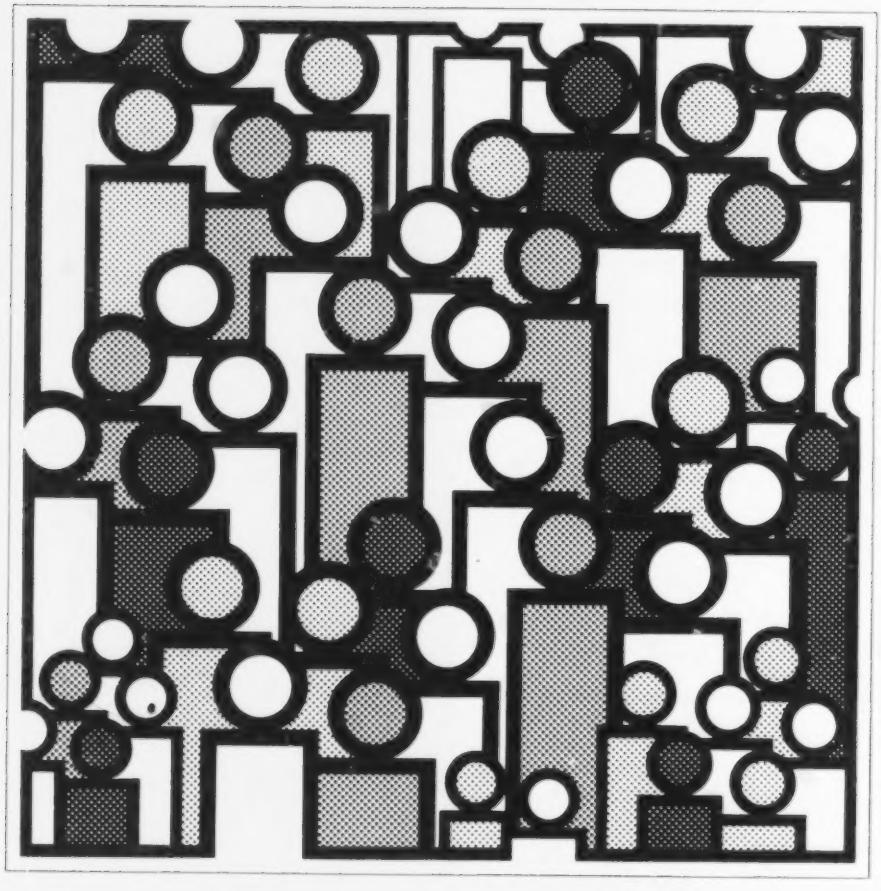

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Contents

Preparation of the life tables 24–iv

Explanation of the State tables 24–1

Explanation of the columns of the life table 24–1

Text table

Average lifetime in years by race and sex: United States and each State in rank order, 1979–81 24–3

Detailed tables

1. Life table for the total population: Minnesota, 1979–81 24–4
2. Life table for males: Minnesota, 1979–81 24–6
3. Life table for females: Minnesota, 1979–81 24–8
4. Life table for the white population: Minnesota, 1979–81 24–10
5. Life table for white males: Minnesota, 1979–81 24–12
6. Life table for white females: Minnesota, 1979–81 24–14
7. Standard errors of the probability of dying: Minnesota, 1979–81 24–16
8. Standard errors of the average remaining lifetime: Minnesota, 1979–81 24–18

Symbols

- - -	Data not available
. . .	Category not applicable
-	Quantity zero
0.0	Quantity more than zero but less than 0.05
Z	Quantity more than zero but less than 500 where numbers are rounded to thousands
*	Figure does not meet standard of reliability or precision (not published when fewer than 700 male or female deaths for any racial group were registered in 1979–81)

Preparation of the life tables

Robert J. Armstrong of the Division of Vital Statistics, National Center for Health Statistics, developed the content of the life tables and the methodology to produce them. He was also responsible for coordinating all the activities of the Social Security Administration, the U.S. Bureau of the Census, and the various components of the National Center for Health Statistics that contributed to the production of these life tables.

Nonie Atkinson of the Office of Research and Methodology was responsible for the overall computer systems analysis and design, and played a major role in writing the programs to produce the life tables and their variances.

Anne K. Stratton of the Computer Applications Staff of the Division of Vital Statistics coordinated all data processing and developed computer processes which eased the workload of the actuarial statistician and the Publications Branch. She also provided major programming support in summarizing data basic to the calculation of the life tables.

John E. Mounts, Ann A. Swain, Arlett R. Brown, and Barbara B. Beals of the Publications Branch, Division of Data Services, provided consultation, publications management, and editorial review. Stephen L. Sloan supervised the production of the cover design, and Linda L. Bean coordinated the printing.

An ad hoc committee provided guidance and many helpful suggestions on the methodology and content of the life tables. This committee was headed by Thomas N. E. Greville of the University of Wisconsin. Other members were Francisco Bayo, Joseph Faber, and John Wilkin of the Office of the Actuary, Social Security Administration; Jacob S. Siegel and Jeffrey Passel of the U.S. Bureau of the Census; and various staff members of the National Center for Health Statistics.

Minnesota Life Tables: 1979–81

Explanation of the State tables

This report contains the 1979–81 life tables and standard error tables for this State. Other publications in this decennial series present life tables for the United States and the other individual States. Each of these reports shows life tables calculated for the white population, the population other than white, and the black population separately by sex and for both sexes combined. Also included are life tables for the total population, for total males, and for total females. Life tables, however, for any racial group in a State are not being published when the total number of deaths for either males or females during the 3-year period is less than 700.

The tables are based on the 1980 Census of Population and on the average annual number of resident deaths during the 3-year period 1979–81. In deriving life table values at ages under 2, reported births for the years 1977–81 have also been used. Mortality rates (proportions dying) at ages 95 and over are based on the experience of the Medicare program of the Social Security Administration. These rates are differentiated by race and sex but not by State. Values at ages 85–94 have also been adjusted to provide a smooth transition between the mortality rates based on the census and registered deaths and those derived from the Medicare program. Therefore the figures at ages 85 and above may fail to reflect adequately variation in mortality among the States. Such variation, however, is in general smaller than differences associated with race and sex. The population and death statistics at ages under 85 are known to be subject to certain errors, but these were not considered to be serious enough to require adjustment prior to the calculation of the life tables. However, in some instances fluctuations due to the small volume of data produced anomalous life-table values, which were eliminated by minor redistribution of deaths by age.

A separate report, in this series of 55 reports, describes the methods and formulas by which the national and State life tables were prepared, and an explanation of the columns of the life table precedes the tables in this State report.

The life table assumes that a hypothetical cohort traced from birth until the death of the last survivor is subject throughout its existence to the age by age mortality rates observed in a certain population or population subdivision during a specified period. For example, table 3 is a life table for females. This table shows the progress of a cohort starting with 100,000 live births and subject during its passage through successive years of age to the average annual mortality rates observed among females in this State in the 3-year period 1979–81.

Column 7 of table 3 shows the average number of years of life remaining to those in the cohort who attain each birthday. This average remaining lifetime is commonly called the expectation of life, and the expectation of life at birth is frequently used as a measure of comparative longevity. According to the 1979–81 life tables for this State, the expectation of life at birth is 72.52 years for total males and 79.82 for total females. Among the 50 States and the District of Columbia in the expectation of life at birth for the total population, this State ranks 2d.

The ranking table shows the average lifetime (or expectation of life at birth) by race and sex for the population of the United States, each State, and the District of Columbia.

These life tables are based on a complete count of resident deaths in this State during the 3 years 1979, 1980, and 1981. As such, they are not subject to sampling error. However, even complete counts may be considered as one of a large series of possible results that could have arisen under the same circumstances. This type of variation is known as random error. The reader should remember that the standard errors shown in this report reflect this random error only. Other errors such as misreporting age on death certificates or in the census are not reflected in them.

Standard errors of the probability of dying and of life expectancy are being shown with these life tables for the first time. In both cases the standard errors contain one decimal place more than the corresponding variable in the life tables. In computing confidence intervals the limits are rounded to the same number of decimal places that the variable has in the life table.

To obtain a 68-percent confidence interval for the probability of dying at any age, take the point estimate from column 2 of the appropriate life table and add and subtract one standard error (from the Standard Errors of the Probability of Dying table). The 95-percent confidence interval is obtained by adding and subtracting two standard errors. For example, the probability that a 50-year-old white female will die before her 51st birthday is .00301 with a standard error of .000230. Therefore the 68-percent confidence interval is from .00278 to .00324 and the 95-percent confidence interval is from .00255 to .00347. The life expectancy of a 50-year-old white female is 32.30 years with a standard error of .049 years. The 68-percent confidence interval for the life expectancy is therefore from 32.25 to 32.35 years and the 95-percent confidence interval is from 32.20 to 32.40 years.

Explanation of the columns of the life table

Column 1—Year of age (x to $x+1$)—The year of age shown in column 1 is the interval of 1 year between the two

exact ages indicated. For instance, "21–22" indicates the interval between the 21st birthday and the 22d, in other words, the 22d year of life.

Column 2—Proportion dying (q_x)—This column shows the proportion of the members of the life-table cohort alive at the beginning of the indicated year of age who will die before reaching the next birthday on the basis of the mortality rates of 1979–81 in this State. For example, for females in the year of age 21–22, the proportion dying is .00053—of every 1,000 reaching their 21st birthday, 0.53 will die before reaching their 22d birthday.

Column 3—Number surviving (l_x)—This column shows the number of persons, starting with a cohort of 100,000 live births, who will survive to the birthday marking the beginning of the indicated year of age. Thus of 100,000 babies born alive in the cohort of table 3, 99,097 will complete the first year of life and enter the second, 98,444 will reach age 21, and 72,757 will live to age 75.

Column 4—Number dying (d_x)—This column shows the number dying in the indicated year of age of 100,000 live births. Thus out of 100,000 born alive in the cohort of table 3, 903 will die in the first year of life, 52 in the 22d year, and 2,091 in the 76th year. Each figure in column 4 is the difference between two successive figures in column 3.

Columns 5 and 6—Stationary population (L_x and T_x)—Suppose that a group of 100,000 persons like that assumed in columns 3 and 4 is born each year and that the proportion dying in each such group in each year of age throughout the lives of the members is exactly that shown in column 2. If there were no migration and if the births were evenly distributed over the year, the survivors of these births would constitute what is called a stationary population, because in such a population the number of persons living in any given year of age would never change. When an individual left an age, whether by death or by growing older and entering the next higher age, his place would immediately be taken by someone entering from the next lower age. Thus a census taken at any time in such a stationary community would always show the same total population and the same numerical distribution of that population among the various ages. In such a stationary population supported by 100,000 annual births, column 3 shows the number of persons who each year will reach the birthday that marks the beginning of the year of age indicated in column 1, and column 4 shows the number of persons who will die each year in that year of age.

Column 5, L_x, shows the number of persons in the stationary population in the indicated year of age. For example, the figure shown in table 3 for the year of age 21–22 is 98,418. This means that in a stationary population supported by 100,000 annual births and with proportions dying at each age always in accordance with column 2, a census taken on any date would show 98,418 persons at age 21 (that is, between exact ages 21 and 22 years).

Column 6, T_x, shows the total number of persons in the stationary population (column 5) in the indicated year of age and all subsequent years of age. For example, in the stationary population of females described in the preceding paragraph, column 6 shows that there would be at any given moment 5,906,875 persons who had reached their 21st birthday. The population at all ages 0 and above (in other words, the total stationary population of females) would be 7,981,790.

Column 7—Average remaining lifetime ($\mathring{e}_x$)—The average remaining lifetime (also called expectation of life) at any given age is the average number of years remaining to be lived by those surviving to that age, on the basis of a given set of age-specific rates of dying. In order to relate these figures to the preceding columns of the life table, it is necessary to observe that the figures in column 5 can also be interpreted in terms of a single life-table cohort without introducing the concept of a stationary population. From this point of view, each figure in column 5 represents the total time in years lived between the two indicated birthdays by all those reaching the earlier birthday among the survivors of a cohort of 100,000 live births. Thus the figure 98,418 for females in this State in the year of age 21–22 is the total number of years lived between their 21st and 22d birthdays by the 98,444 (column 3) who reached the 21st birthday out of the original cohort of 100,000, and the corresponding figure (5,906,875) in column 6 is the total number of years lived after attaining age 21 by the 98,444 reaching that age. This number of years divided by the number of persons (5,906,875 divided by 98,444) gives 60.00 as the average remaining lifetime at age 21 for females in this State.

AVERAGE LIFETIME IN YEARS BY RACE AND SEX: UNITED STATES AND EACH STATE IN RANK ORDER, 1979-81

(STATES ARE RANKED ACCORDING TO THE AVERAGE LIFETIME FOR THE TOTAL POPULATION)

RANK	AREA	TOTAL			WHITE			ALL OTHER					
								TOTAL			BLACK		
		BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
1	HAWAII	77.02	74.08	80.33	76.22	73.04	79.81	77.46	74.57	80.72	*	*	*
2	MINNESOTA	76.15	72.52	79.82	76.25	72.63	79.90	*	*	*	*	*	*
3	IOWA	75.81	72.00	79.60	75.88	72.09	79.64	*	*	*	*	*	*
4	UTAH	75.76	72.38	79.18	75.80	72.42	79.22	*	*	*	*	*	*
5	NORTH DAKOTA	75.71	72.09	79.68	76.03	72.45	79.95	*	*	*	*	*	*
6	NEBRASKA	75.49	71.73	79.29	75.73	71.97	79.53	*	*	*	*	*	*
7	WISCONSIN	75.35	71.86	78.87	75.53	72.05	79.05	71.17	67.53	74.83	70.33	66.98	74.09
8	KANSAS	75.31	71.60	78.99	75.57	71.85	79.26	71.33	67.87	74.75	69.68	66.17	73.24
9	COLORADO	75.30	71.78	78.80	75.37	71.84	78.89	74.09	70.74	77.32	71.01	67.41	74.66
10	IDAHO	75.19	71.52	79.15	75.24	71.58	79.19	*	*	*	*	*	*
11	WASHINGTON	75.13	71.74	78.57	75.23	71.86	78.64	73.84	70.18	77.83	*	*	*
12	CONNECTICUT	75.12	71.51	78.57	75.46	71.90	78.86	71.45	67.13	75.55	70.32	65.80	74.62
13	MASSACHUSETTS	75.01	71.27	78.46	75.11	71.38	78.54	73.66	69.60	77.51	71.74	67.53	75.73
14	OREGON	74.99	71.35	78.77	75.03	71.41	78.79	*	*	*	*	*	*
15	NEW HAMPSHIRE	74.98	71.43	78.42	74.94	71.39	78.38	*	*	*	*	*	*
16	SOUTH DAKOTA	74.97	71.03	79.21	75.94	72.07	80.07	*	*	*	*	*	*
17	VERMONT	74.79	71.06	78.49	74.76	71.03	78.47	*	*	*	*	*	*
18	RHODE ISLAND	74.76	70.96	78.33	74.87	71.06	78.45	*	*	*	*	*	*
19	MAINE	74.59	70.78	78.41	74.58	70.77	78.39	*	*	*	*	*	*
20	CALIFORNIA	74.57	71.09	78.02	74.67	71.18	78.12	74.30	70.86	77.81	69.54	65.47	73.74
21	ARIZONA	74.30	70.46	78.34	74.78	71.08	78.66	69.59	64.63	75.04	*	*	*
22	NEW MEXICO	74.01	69.91	78.34	74.44	70.46	78.63	70.54	65.32	76.12	*	*	*
23	FLORIDA	74.00	70.08	77.98	74.95	71.10	78.86	68.07	63.76	72.41	67.39	63.05	71.79
23	NEW JERSEY	74.00	70.48	77.39	74.69	71.25	77.99	69.91	65.73	73.90	68.87	64.53	73.02
25	MONTANA	73.93	70.47	77.68	74.46	71.00	78.19	*	*	*	*	*	*
	UNITED STATES	73.88	70.11	77.62	74.53	70.82	78.22	69.84	65.63	74.00	68.52	64.10	72.88
26	WYOMING	73.85	69.95	78.20	74.05	70.15	78.39	*	*	*	*	*	*
27	INDIANA	73.84	70.16	77.46	74.22	70.57	77.82	69.55	65.53	73.54	68.78	64.71	72.87
27	MISSOURI	73.84	69.92	77.72	74.48	70.64	78.29	68.74	64.02	73.29	67.96	63.14	72.65
29	ARKANSAS	73.72	69.73	77.83	74.44	70.46	78.59	69.95	65.51	74.16	69.49	65.00	73.77
30	NEW YORK	73.70	70.02	77.18	74.44	70.90	77.80	70.13	65.58	74.26	68.97	64.14	73.28
31	MICHIGAN	73.67	70.07	77.29	74.46	70.94	77.99	68.91	64.73	73.17	68.19	63.87	72.58
31	OKLAHOMA	73.67	69.63	77.81	73.93	69.90	78.07	71.97	67.63	76.26	68.96	64.71	73.22
33	TEXAS	73.64	69.70	77.67	74.22	70.30	78.22	69.69	65.40	74.05	68.88	64.44	73.42
34	PENNSYLVANIA	73.58	69.90	77.16	74.13	70.52	77.64	68.58	64.07	72.93	67.89	63.27	72.35
35	OHIO	73.49	69.85	77.06	74.01	70.42	77.53	69.21	65.16	73.24	68.67	64.56	72.75
36	VIRGINIA	73.43	69.60	77.27	74.42	70.54	78.28	69.57	65.76	73.49	68.96	65.08	72.99
37	ILLINOIS	73.37	69.55	77.13	74.29	70.57	77.96	68.71	64.32	72.99	67.63	63.02	72.09
38	MARYLAND	73.32	69.71	76.83	74.36	70.86	77.73	69.83	65.89	73.81	69.17	65.13	73.25
39	TENNESSEE	73.30	69.15	77.47	74.13	69.99	78.31	68.87	64.37	73.19	68.60	64.07	72.96
40	DELAWARE	73.21	69.56	76.78	74.11	70.53	77.59	68.98	64.93	73.15	68.38	64.35	72.53
41	KENTUCKY	73.06	69.14	77.12	73.39	69.46	77.46	68.91	64.90	72.93	68.32	64.31	72.38
42	NORTH CAROLINA	72.96	68.60	77.35	74.27	70.02	78.53	66.61	63.66	73.58	68.31	63.33	73.32
43	WEST VIRGINIA	72.84	68.86	76.93	72.98	68.99	77.09	69.05	65.03	72.88	67.91	63.66	71.94
44	NEVADA	72.64	69.26	76.48	72.90	69.52	76.72	*	*	*	*	*	*
45	ALABAMA	72.53	68.28	76.79	73.88	69.67	78.15	68.52	63.76	73.05	68.33	63.54	72.89
46	ALASKA	72.24	68.71	76.87	73.42	69.99	77.93	*	*	*	*	*	*
47	GEORGIA	72.22	68.01	76.35	73.80	69.56	78.01	67.87	63.41	72.06	67.66	63.18	71.88
48	MISSISSIPPI	71.98	67.64	76.39	73.61	69.26	78.09	68.90	64.19	73.40	68.81	64.09	73.32
49	SOUTH CAROLINA	71.85	67.56	76.12	73.60	69.40	77.81	67.78	62.96	72.47	67.58	62.73	72.31
50	LOUISIANA	71.74	67.64	75.89	73.26	69.20	77.42	68.12	63.63	72.48	67.85	63.29	72.27
51	DISTRICT OF COLUMBIA	69.20	64.55	73.70	74.83	71.24	77.88	67.17	62.10	72.19	66.96	61.88	72.01

TABLE 1. LIFE TABLE FOR THE TOTAL POPULATION: MINNESOTA, 1979-81

AGE IN YEARS	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED	PROPORTION OF PERSONS ALIVE AT BEGINNING OF YEAR OF AGE DYING DURING YEAR	NUMBER LIVING AT BEGINNING OF YEAR OF AGE	NUMBER DYING DURING YEAR OF AGE	IN YEAR OF AGE	IN THIS YEAR OF AGE AND ALL SUBSEQUENT YEARS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF YEAR OF AGE
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x+1$	q_x	l_x	d_x	L_x	T_x	$\mathring{e}_x$
0-1	.01041	100,000	1,041	99,168	7,615,426	76.15
1-2	.00070	98,959	69	98,924	7,516,258	75.95
2-3	.00056	98,890	55	98,863	7,417,334	75.01
3-4	.00046	98,835	46	98,811	7,318,471	74.05
4-5	.00038	98,789	38	98,770	7,219,660	73.08
5-6	.00034	98,751	34	98,734	7,120,890	72.11
6-7	.00031	98,717	31	98,702	7,022,156	71.13
7-8	.00029	98,686	28	98,672	6,923,454	70.16
8-9	.00025	98,658	25	98,645	6,824,782	69.18
9-10	.00021	98,633	21	98,622	6,726,137	68.19
10-11	.00018	98,612	18	98,603	6,627,515	67.21
11-12	.00018	98,594	17	98,585	6,528,912	66.22
12-13	.00023	98,577	23	98,566	6,430,327	65.23
13-14	.00034	98,554	33	98,537	6,331,761	64.25
14-15	.00048	98,521	47	98,498	6,233,224	63.27
15-16	.00062	98,474	61	98,444	6,134,726	62.30
16-17	.00074	98,413	72	98,377	6,036,282	61.34
17-18	.00084	98,341	82	98,300	5,937,905	60.38
18-19	.00092	98,259	90	98,213	5,839,605	59.43
19-20	.00098	98,169	96	98,121	5,741,392	58.48
20-21	.00104	98,073	102	98,022	5,643,271	57.54
21-22	.00110	97,971	108	97,917	5,545,249	56.60
22-23	.00113	97,863	111	97,807	5,447,332	55.66
23-24	.00111	97,752	109	97,698	5,349,525	54.73
24-25	.00107	97,643	104	97,592	5,251,827	53.79
25-26	.00101	97,539	98	97,490	5,154,235	52.84
26-27	.00095	97,441	92	97,395	5,056,745	51.90
27-28	.00091	97,349	89	97,304	4,959,350	50.94
28-29	.00088	97,260	85	97,218	4,862,046	49.99
29-30	.00088	97,175	86	97,132	4,764,828	49.03
30-31	.00088	97,089	85	97,046	4,667,696	48.08
31-32	.00088	97,004	85	96,961	4,570,650	47.12
32-33	.00089	96,919	87	96,876	4,473,689	46.16
33-34	.00093	96,832	90	96,787	4,376,813	45.20
34-35	.00098	96,742	95	96,694	4,280,026	44.24
35-36	.00105	96,647	102	96,597	4,183,332	43.28
36-37	.00114	96,545	110	96,490	4,086,735	42.33
37-38	.00124	96,435	119	96,376	3,990,245	41.38
38-39	.00134	96,316	129	96,251	3,893,869	40.43
39-40	.00145	96,187	139	96,117	3,797,618	39.48
40-41	.00158	96,048	152	95,972	3,701,501	38.54
41-42	.00174	95,896	167	95,813	3,605,529	37.60
42-43	.00192	95,729	184	95,637	3,509,716	36.66
43-44	.00212	95,545	202	95,444	3,414,079	35.73
44-45	.00234	95,343	223	95,232	3,318,635	34.81
45-46	.00257	95,120	244	94,998	3,223,403	33.89
46-47	.00285	94,876	271	94,741	3,128,405	32.97
47-48	.00318	94,605	301	94,454	3,033,664	32.07
48-49	.00358	94,304	338	94,135	2,939,210	31.17
49-50	.00402	93,966	377	93,778	2,845,075	30.28
50-51	.00448	93,589	419	93,380	2,751,297	29.40
51-52	.00495	93,170	461	92,939	2,657,917	28.53
52-53	.00543	92,709	503	92,458	2,564,978	27.67
53-54	.00595	92,206	549	91,931	2,472,520	26.82
54-55	.00650	91,657	595	91,360	2,380,589	25.97

TABLE 1. LIFE TABLE FOR THE TOTAL POPULATION: MINNESOTA, 1979-81--CON.

AGE IN YEARS	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED	PROPORTION OF PERSONS ALIVE AT BEGINNING OF YEAR OF AGE DYING DURING YEAR	NUMBER LIVING AT BEGINNING OF YEAR OF AGE	NUMBER DYING DURING YEAR OF AGE	IN YEAR OF AGE	IN THIS YEAR OF AGE AND ALL SUBSEQUENT YEARS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF YEAR OF AGE
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x+1$	q_x	l_x	d_x	L_x	T_x	$\mathring{e}_x$
55-56	.00708	91,062	645	90,739	2,289,229	25.14
56-57	.00772	90,417	698	90,068	2,198,490	24.32
57-58	.00841	89,719	754	89,342	2,108,422	23.50
58-59	.00919	88,965	818	88,556	2,019,080	22.70
59-60	.01007	88,147	887	87,703	1,930,524	21.90
60-61	.01101	87,260	961	86,780	1,842,821	21.12
61-62	.01204	86,299	1,038	85,779	1,756,041	20.35
62-63	.01322	85,261	1,128	84,697	1,670,262	19.59
63-64	.01457	84,133	1,225	83,521	1,585,565	18.85
64-65	.01606	82,908	1,332	82,242	1,502,044	18.12
65-66	.01768	81,576	1,442	80,855	1,419,802	17.40
66-67	.01939	80,134	1,554	79,357	1,338,947	16.71
67-68	.02111	78,580	1,658	77,751	1,259,590	16.03
68-69	.02281	76,922	1,755	76,044	1,181,839	15.36
69-70	.02455	75,167	1,845	74,245	1,105,795	14.71
70-71	.02640	73,322	1,936	72,354	1,031,550	14.07
71-72	.02846	71,386	2,032	70,371	959,196	13.44
72-73	.03079	69,354	2,135	68,286	888,825	12.82
73-74	.03345	67,219	2,248	66,095	820,539	12.21
74-75	.03643	64,971	2,367	63,788	754,444	11.61
75-76	.03961	62,604	2,480	61,364	690,656	11.03
76-77	.04305	60,124	2,589	58,829	629,292	10.47
77-78	.04697	57,535	2,702	56,185	570,463	9.91
78-79	.05148	54,833	2,823	53,421	514,278	9.38
79-80	.05660	52,010	2,943	50,539	460,857	8.86
80-81	.06222	49,067	3,053	47,540	410,318	8.36
81-82	.06824	46,014	3,140	44,444	362,778	7.88
82-83	.07471	42,874	3,203	41,273	318,334	7.42
83-84	.08165	39,671	3,239	38,051	277,061	6.98
84-85	.08917	36,432	3,249	34,807	239,010	6.56
85-86	.09848	33,183	3,268	31,550	204,203	6.15
86-87	.10884	29,915	3,256	28,287	172,653	5.77
87-88	.11949	26,659	3,185	25,067	144,366	5.42
88-89	.13014	23,474	3,055	21,946	119,299	5.08
89-90	.14123	20,419	2,884	18,977	97,353	4.77
90-91	.15390	17,535	2,699	16,186	78,376	4.47
91-92	.16847	14,836	2,499	13,586	62,190	4.19
92-93	.18389	12,337	2,269	11,203	48,604	3.94
93-94	.19938	10,068	2,007	9,065	37,401	3.71
94-95	.21465	8,061	1,730	7,195	28,336	3.52
95-96	.22976	6,331	1,455	5,604	21,141	3.34
96-97	.24338	4,876	1,187	4,283	15,537	3.19
97-98	.25637	3,689	945	3,216	11,254	3.05
98-99	.26868	2,744	738	2,375	8,038	2.93
99-100	.28030	2,006	562	1,725	5,663	2.82
100-101	.29120	1,444	420	1,234	3,938	2.73
101-102	.30139	1,024	309	869	2,704	2.64
102-103	.31089	715	222	604	1,835	2.57
103-104	.31970	493	158	414	1,231	2.50
104-105	.32786	335	110	280	817	2.44
105-106	.33539	225	75	188	537	2.38
106-107	.34233	150	52	124	349	2.33
107-108	.34870	98	34	81	225	2.29
108-109	.35453	64	23	53	144	2.24
109-110	.35988	41	14	34	91	2.20

TABLE 2. LIFE TABLE FOR MALES: MINNESOTA, 1979-81

AGE IN YEARS	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED	PROPORTION OF PERSONS ALIVE AT BEGINNING OF YEAR OF AGE DYING DURING YEAR	NUMBER LIVING AT BEGINNING OF YEAR OF AGE	NUMBER DYING DURING YEAR OF AGE	IN YEAR OF AGE	IN THIS YEAR OF AGE AND ALL SUBSEQUENT YEARS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF YEAR OF AGE
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x+1$	q_x	l_x	d_x	L_x	T_x	$\mathring{e}_x$
0-1	.01171	100,000	1,171	99,062	7,252,294	72.52
1-2	.00082	98,829	81	98,789	7,153,232	72.38
2-3	.00066	98,748	66	98,715	7,054,443	71.44
3-4	.00057	98,682	56	98,654	6,955,728	70.49
4-5	.00045	98,626	44	98,604	6,857,074	69.53
5-6	.00038	98,582	38	98,563	6,758,470	68.56
6-7	.00035	98,544	35	98,527	6,659,907	67.58
7-8	.00032	98,509	31	98,494	6,561,380	66.61
8-9	.00028	98,478	27	98,464	6,462,886	65.63
9-10	.00023	98,451	23	98,440	6,364,422	64.65
10-11	.00019	98,428	18	98,419	6,265,982	63.66
11-12	.00019	98,410	19	98,400	6,167,563	62.67
12-13	.00028	98,391	27	98,378	6,069,163	61.68
13-14	.00044	98,364	44	98,342	5,970,785	60.70
14-15	.00066	98,320	65	98,287	5,872,443	59.73
15-16	.00088	98,255	86	98,213	5,774,156	58.77
16-17	.00106	98,169	104	98,117	5,675,943	57.82
17-18	.00122	98,065	120	98,004	5,577,826	56.88
18-19	.00135	97,945	132	97,879	5,479,822	55.95
19-20	.00146	97,813	143	97,741	5,381,943	55.02
20-21	.00158	97,670	154	97,593	5,284,202	54.10
21-22	.00169	97,516	165	97,433	5,186,609	53.19
22-23	.00174	97,351	170	97,266	5,089,176	52.28
23-24	.00172	97,181	167	97,098	4,991,910	51.37
24-25	.00164	97,014	158	96,935	4,894,812	50.45
25-26	.00153	96,856	149	96,782	4,797,877	49.54
26-27	.00144	96,707	139	96,637	4,701,095	48.61
27-28	.00136	96,568	131	96,503	4,604,458	47.68
28-29	.00131	96,437	126	96,374	4,507,955	46.75
29-30	.00128	96,311	124	96,249	4,411,581	45.81
30-31	.00126	96,187	121	96,127	4,315,332	44.86
31-32	.00124	96,066	119	96,006	4,219,205	43.92
32-33	.00123	95,947	119	95,888	4,123,199	42.97
33-34	.00126	95,828	120	95,768	4,027,311	42.03
34-35	.00131	95,708	125	95,645	3,931,543	41.08
35-36	.00139	95,583	133	95,516	3,835,898	40.13
36-37	.00148	95,450	141	95,380	3,740,382	39.19
37-38	.00158	95,309	151	95,233	3,645,002	38.24
38-39	.00169	95,158	161	95,077	3,549,769	37.30
39-40	.00180	94,997	171	94,912	3,454,692	36.37
40-41	.00194	94,826	184	94,734	3,359,780	35.43
41-42	.00213	94,642	201	94,542	3,265,046	34.50
42-43	.00234	94,441	221	94,330	3,170,504	33.57
43-44	.00259	94,220	244	94,098	3,076,174	32.65
44-45	.00287	93,976	270	93,841	2,982,076	31.73
45-46	.00317	93,706	297	93,557	2,888,235	30.82
46-47	.00353	93,409	330	93,244	2,794,678	29.92
47-48	.00400	93,079	372	92,893	2,701,434	29.02
48-49	.00457	92,707	424	92,495	2,608,541	28.14
49-50	.00523	92,283	483	92,042	2,516,046	27.26
50-51	.00593	91,800	544	91,528	2,424,004	26.41
51-52	.00663	91,256	605	90,953	2,332,476	25.56
52-53	.00733	90,651	665	90,318	2,241,523	24.73
53-54	.00801	89,986	721	89,626	2,151,205	23.91
54-55	.00870	89,265	777	88,877	2,061,579	23.09

TABLE 2. LIFE TABLE FOR MALES: MINNESOTA, 1979-81--CON.

AGE IN YEARS	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED	PROPORTION OF PERSONS ALIVE AT BEGINNING OF YEAR OF AGE DYING DURING YEAR	NUMBER LIVING AT BEGINNING OF YEAR OF AGE	NUMBER DYING DURING YEAR OF AGE	IN YEAR OF AGE	IN THIS YEAR OF AGE AND ALL SUBSEQUENT YEARS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF YEAR OF AGE
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x+1$	q_x	l_x	d_x	L_x	T_x	$\mathring{e}_x$
55-56	.00943	88,488	834	88,071	1,972,702	22.29
56-57	.01023	87,654	897	87,206	1,884,631	21.50
57-58	.01116	86,757	968	86,273	1,797,425	20.72
58-59	.01228	85,789	1,054	85,262	1,711,152	19.95
59-60	.01358	84,735	1,150	84,160	1,625,890	19.19
60-61	.01500	83,585	1,253	82,958	1,541,730	18.45
61-62	.01653	82,332	1,362	81,651	1,458,772	17.72
62-63	.01828	80,970	1,480	80,230	1,377,121	17.01
63-64	.02025	79,490	1,610	78,685	1,296,891	16.32
64-65	.02240	77,880	1,745	77,007	1,218,206	15.64
65-66	.02473	76,135	1,882	75,194	1,141,199	14.99
66-67	.02716	74,253	2,017	73,244	1,066,005	14.36
67-68	.02962	72,236	2,140	71,166	992,761	13.74
68-69	.03204	70,096	2,245	68,974	921,595	13.15
69-70	.03450	67,851	2,341	66,680	852,621	12.57
70-71	.03711	65,510	2,431	64,295	785,941	12.00
71-72	.03997	63,079	2,521	61,819	721,646	11.44
72-73	.04316	60,558	2,614	59,251	659,827	10.90
73-74	.04674	57,944	2,709	56,589	600,576	10.36
74-75	.05074	55,235	2,802	53,834	543,987	9.85
75-76	.05510	52,433	2,889	50,989	490,153	9.35
76-77	.05982	49,544	2,964	48,062	439,164	8.86
77-78	.06503	46,580	3,029	45,065	391,102	8.40
78-79	.07075	43,551	3,082	42,010	346,037	7.95
79-80	.07696	40,469	3,114	38,912	304,027	7.51
80-81	.08374	37,355	3,128	35,791	265,115	7.10
81-82	.09104	34,227	3,116	32,668	229,324	6.70
82-83	.09872	31,111	3,072	29,575	196,656	6.32
83-84	.10673	28,039	2,992	26,543	167,081	5.96
84-85	.11521	25,047	2,886	23,604	140,538	5.61
85-86	.12563	22,161	2,784	20,769	116,934	5.28
86-87	.13713	19,377	2,657	18,048	96,165	4.96
87-88	.14881	16,720	2,488	15,476	78,117	4.67
88-89	.16025	14,232	2,281	13,091	62,641	4.40
89-90	.17187	11,951	2,054	10,925	49,550	4.15
90-91	.18480	9,897	1,829	8,982	38,625	3.90
91-92	.19966	8,068	1,611	7,263	29,643	3.67
92-93	.21563	6,457	1,392	5,761	22,380	3.47
93-94	.23177	5,065	1,174	4,477	16,619	3.28
94-95	.24710	3,891	962	3,411	12,142	3.12
95-96	.26149	2,929	766	2,546	8,731	2.98
96-97	.27438	2,163	593	1,867	6,185	2.86
97-98	.28654	1,570	450	1,345	4,318	2.75
98-99	.29797	1,120	334	953	2,973	2.65
99-100	.30867	786	242	665	2,020	2.57
100-101	.31865	544	174	457	1,355	2.49
101-102	.32792	370	121	309	898	2.43
102-103	.33550	249	84	207	589	2.36
103-104	.34443	165	57	137	382	2.31
104-105	.35174	108	38	89	245	2.26
105-106	.35845	70	25	58	156	2.22
106-107	.36461	45	16	37	98	2.18
107-108	.37024	29	11	23	61	2.14
108-109	.37539	18	7	15	38	2.10
109-110	.38009	11	4	9	23	2.07

TABLE 3. LIFE TABLE FOR FEMALES: MINNESOTA, 1979-81

AGE IN YEARS	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED	PROPORTION OF PERSONS ALIVE AT BEGINNING OF YEAR OF AGE DYING DURING YEAR	NUMBER LIVING AT BEGINNING OF YEAR OF AGE	NUMBER DYING DURING YEAR OF AGE	IN YEAR OF AGE	IN THIS YEAR OF AGE AND ALL SUBSEQUENT YEARS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF YEAR OF AGE
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x+1$	q_x	l_x	d_x	L_x	T_x	$\mathring{e}_x$
0-1	.00903	100,000	903	99,281	7,981,790	79.82
1-2	.00056	99,097	56	99,068	7,882,509	79.54
2-3	.00045	99,041	45	99,019	7,783,441	78.59
3-4	.00036	98,996	35	98,978	7,684,422	77.62
4-5	.00031	98,961	31	98,945	7,585,444	76.65
5-6	.00030	98,930	29	98,916	7,486,499	75.67
6-7	.00028	98,901	28	98,887	7,387,583	74.70
7-8	.00025	98,873	25	98,860	7,288,696	73.72
8-9	.00023	98,848	23	98,837	7,189,836	72.74
9-10	.00020	98,825	19	98,815	7,090,999	71.75
10-11	.00017	98,806	17	98,798	6,992,184	70.77
11-12	.00016	98,789	16	98,781	6,893,386	69.78
12-13	.00018	98,773	17	98,764	6,794,605	68.79
13-14	.00022	98,756	22	98,745	6,695,841	67.80
14-15	.00028	98,734	28	98,719	6,597,096	66.82
15-16	.00035	98,706	34	98,689	6,498,377	65.84
16-17	.00040	98,672	40	98,652	6,399,688	64.86
17-18	.00044	98,632	44	98,610	6,301,036	63.88
18-19	.00047	98,588	46	98,565	6,202,426	62.91
19-20	.00049	98,542	48	98,518	6,103,861	61.94
20-21	.00051	98,494	50	98,468	6,005,343	60.97
21-22	.00053	98,444	52	98,418	5,906,875	60.00
22-23	.00053	98,392	53	98,366	5,808,457	59.03
23-24	.00053	98,339	51	98,313	5,710,091	58.07
24-25	.00050	98,288	50	98,263	5,611,778	57.10
25-26	.00048	98,238	47	98,214	5,513,515	56.12
26-27	.00046	98,191	45	98,169	5,415,301	55.15
27-28	.00045	98,146	44	98,124	5,317,132	54.18
28-29	.00045	98,102	44	98,080	5,219,008	53.20
29-30	.00047	98,058	46	98,035	5,120,928	52.22
30-31	.00049	98,012	48	97,987	5,022,893	51.25
31-32	.00052	97,964	51	97,939	4,924,906	50.27
32-33	.00055	97,913	54	97,885	4,826,967	49.30
33-34	.00060	97,859	59	97,830	4,729,082	48.33
34-35	.00065	97,800	64	97,768	4,631,252	47.35
35-36	.00072	97,736	70	97,701	4,533,484	46.38
36-37	.00080	97,666	79	97,627	4,435,783	45.42
37-38	.00089	97,587	87	97,543	4,338,156	44.45
38-39	.00099	97,500	96	97,452	4,240,613	43.49
39-40	.00110	97,404	107	97,350	4,143,161	42.54
40-41	.00122	97,297	118	97,238	4,045,811	41.58
41-42	.00135	97,179	132	97,113	3,948,573	40.63
42-43	.00150	97,047	146	96,974	3,851,460	39.69
43-44	.00165	96,901	160	96,821	3,754,486	38.75
44-45	.00181	96,741	175	96,654	3,657,665	37.81
45-46	.00198	96,566	191	96,470	3,561,011	36.88
46-47	.00217	96,375	210	96,271	3,464,541	35.95
47-48	.00238	96,165	228	96,051	3,368,270	35.03
48-49	.00260	95,937	250	95,812	3,272,219	34.11
49-50	.00282	95,687	270	95,552	3,176,407	33.20
50-51	.00305	95,417	291	95,271	3,080,855	32.29
51-52	.00330	95,126	314	94,969	2,985,584	31.39
52-53	.00359	94,812	341	94,642	2,890,615	30.49
53-54	.00395	94,471	373	94,284	2,795,973	29.60
54-55	.00436	94,098	411	93,892	2,701,689	28.71

TABLE 3. LIFE TABLE FOR FEMALES: MINNESOTA, 1979-81—CON.

AGE IN YEARS	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED	PROPORTION OF PERSONS ALIVE AT BEGINNING OF YEAR OF AGE DYING DURING YEAR	NUMBER LIVING AT BEGINNING OF YEAR OF AGE	NUMBER DYING DURING YEAR OF AGE	IN YEAR OF AGE	IN THIS YEAR OF AGE AND ALL SUBSEQUENT YEARS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF YEAR OF AGE
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x+1$	q_x	l_x	d_x	L_x	T_x	$\mathring{e}_x$
55-56	.00482	93,687	451	93,462	2,607,797	27.84
56-57	.00529	93,236	494	92,989	2,514,335	26.97
57-58	.00578	92,742	535	92,474	2,421,346	26.11
58-59	.00627	92,207	578	91,918	2,328,872	25.26
59-60	.00678	91,629	621	91,318	2,236,954	24.41
60-61	.00733	91,008	667	90,674	2,145,636	23.58
61-62	.00795	90,341	718	89,982	2,054,962	22.75
62-63	.00868	89,623	778	89,234	1,964,980	21.93
63-64	.00954	88,845	848	88,421	1,875,746	21.11
64-65	.01051	87,997	924	87,535	1,787,325	20.31
65-66	.01159	87,073	1,009	86,568	1,699,790	19.52
66-67	.01274	86,064	1,096	85,516	1,613,222	18.74
67-68	.01393	84,968	1,183	84,376	1,527,706	17.98
68-69	.01514	83,785	1,269	83,150	1,443,330	17.23
69-70	.01643	82,516	1,356	81,838	1,360,180	16.48
70-71	.01783	81,160	1,447	80,437	1,278,342	15.75
71-72	.01942	79,713	1,548	78,939	1,197,905	15.03
72-73	.02129	78,165	1,664	77,333	1,118,966	14.32
73-74	.02351	76,501	1,799	75,601	1,041,633	13.62
74-75	.02604	74,702	1,945	73,730	966,032	12.93
75-76	.02874	72,757	2,091	71,711	892,302	12.26
76-77	.03167	70,666	2,238	69,547	820,591	11.61
77-78	.03508	68,428	2,400	67,228	751,044	10.98
78-79	.03914	66,028	2,585	64,735	683,816	10.36
79-80	.04384	63,443	2,781	62,053	619,081	9.76
80-81	.04903	60,662	2,975	59,174	557,028	9.18
81-82	.05459	57,687	3,149	56,112	497,854	8.63
82-83	.06067	54,538	3,309	52,883	441,742	8.10
83-84	.06733	51,229	3,450	49,505	388,859	7.59
84-85	.07467	47,779	3,567	45,995	339,354	7.10
85-86	.08396	44,212	3,712	42,356	293,359	6.64
86-87	.09429	40,500	3,819	38,590	251,003	6.20
87-88	.10503	36,681	3,852	34,755	212,413	5.79
88-89	.11595	32,829	3,807	30,926	177,658	5.41
89-90	.12752	29,022	3,701	27,171	146,732	5.06
90-91	.14085	25,321	3,566	23,538	119,561	4.72
91-92	.15604	21,755	3,395	20,058	96,023	4.41
92-93	.17184	18,360	3,155	16,783	75,965	4.14
93-94	.18743	15,205	2,850	13,780	59,182	3.89
94-95	.20278	12,355	2,505	11,102	45,402	3.67
95-96	.21823	9,850	2,150	8,776	34,300	3.48
96-97	.23221	7,700	1,788	6,806	25,524	3.31
97-98	.24560	5,912	1,452	5,186	18,718	3.17
98-99	.25834	4,460	1,152	3,884	13,532	3.03
99-100	.27040	3,308	894	2,861	9,648	2.92
100-101	.28176	2,414	681	2,073	6,787	2.81
101-102	.29242	1,733	506	1,480	4,714	2.72
102-103	.30237	1,227	371	1,042	3,234	2.64
103-104	.31163	856	267	722	2,192	2.56
104-105	.32023	589	189	495	1,470	2.50
105-106	.32817	400	131	334	975	2.44
106-107	.33550	269	90	224	641	2.38
107-108	.34224	179	61	148	417	2.33
108-109	.34843	118	41	97	269	2.28
109-110	.35411	77	28	64	172	2.24

TABLE 4. LIFE TABLE FOR THE WHITE POPULATION: MINNESOTA, 1979-81

AGE IN YEARS	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED	PROPORTION OF PERSONS ALIVE AT BEGINNING OF YEAR OF AGE DYING DURING YEAR	NUMBER LIVING AT BEGINNING OF YEAR OF AGE	NUMBER DYING DURING YEAR OF AGE	IN YEAR OF AGE	IN THIS YEAR OF AGE AND ALL SUBSEQUENT YEARS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF YEAR OF AGE
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x+1$	q_x	l_x	d_x	L_x	T_x	$\mathring{e}_x$
0-1	.01003	100,000	1,003	99,194	7,625,090	76.25
1-2	.00064	98,997	64	98,965	7,525,896	76.02
2-3	.00052	98,933	52	98,907	7,426,931	75.07
3-4	.00044	98,881	43	98,859	7,328,024	74.11
4-5	.00038	98,838	37	98,820	7,229,165	73.14
5-6	.00034	98,801	34	98,784	7,130,345	72.17
6-7	.00031	98,767	31	98,752	7,031,561	71.19
7-8	.00029	98,736	28	98,722	6,932,809	70.22
8-9	.00026	98,708	25	98,695	6,834,087	69.24
9-10	.00021	98,683	21	98,672	6,735,392	68.25
10-11	.00017	98,662	18	98,653	6,636,720	67.27
11-12	.00017	98,644	16	98,636	6,538,067	66.28
12-13	.00022	98,628	22	98,617	6,439,431	65.29
13-14	.00033	98,606	32	98,590	6,340,814	64.30
14-15	.00047	98,574	47	98,551	6,242,224	63.33
15-16	.00062	98,527	61	98,497	6,143,673	62.36
16-17	.00074	98,466	73	98,429	6,045,176	61.39
17-18	.00084	98,393	83	98,352	5,946,747	60.44
18-19	.00092	98,310	90	98,265	5,848,395	59.49
19-20	.00098	98,220	96	98,172	5,750,130	58.54
20-21	.00103	98,124	101	98,074	5,651,958	57.60
21-22	.00109	98,023	107	97,969	5,553,884	56.66
22-23	.00112	97,916	109	97,862	5,455,915	55.72
23-24	.00110	97,807	108	97,752	5,358,053	54.78
24-25	.00105	97,699	103	97,648	5,260,301	53.84
25-26	.00099	97,596	96	97,548	5,162,653	52.90
26-27	.00093	97,500	91	97,455	5,065,105	51.95
27-28	.00088	97,409	86	97,366	4,967,650	51.00
28-29	.00086	97,323	83	97,282	4,870,284	50.04
29-30	.00085	97,240	83	97,198	4,773,002	49.08
30-31	.00085	97,157	83	97,115	4,675,804	48.13
31-32	.00085	97,074	82	97,033	4,578,689	47.17
32-33	.00086	96,992	84	96,950	4,481,656	46.21
33-34	.00089	96,908	86	96,866	4,384,706	45.25
34-35	.00094	96,822	91	96,776	4,287,840	44.29
35-36	.00101	96,731	98	96,682	4,191,064	43.33
36-37	.00110	96,633	106	96,581	4,094,382	42.37
37-38	.00119	96,527	115	96,469	3,997,801	41.42
38-39	.00129	96,412	124	96,351	3,901,332	40.47
39-40	.00139	96,288	133	96,221	3,804,981	39.52
40-41	.00151	96,155	146	96,082	3,708,760	38.57
41-42	.00167	96,009	160	95,929	3,612,678	37.63
42-43	.00185	95,849	177	95,760	3,516,749	36.69
43-44	.00204	95,672	196	95,574	3,420,989	35.76
44-45	.00226	95,476	216	95,368	3,325,415	34.83
45-46	.00250	95,260	238	95,141	3,230,047	33.91
46-47	.00278	95,022	264	94,890	3,134,906	32.99
47-48	.00312	94,758	296	94,610	3,040,016	32.08
48-49	.00352	94,462	332	94,296	2,945,406	31.18
49-50	.00396	94,130	372	93,944	2,851,110	30.29
50-51	.00443	93,758	415	93,550	2,757,166	29.41
51-52	.00490	93,343	458	93,114	2,663,616	28.54
52-53	.00539	92,885	500	92,635	2,570,502	27.67
53-54	.00590	92,385	545	92,113	2,477,867	26.82
54-55	.00644	91,840	592	91,544	2,385,754	25.98

TABLE 4. LIFE TABLE FOR THE WHITE POPULATION: MINNESOTA, 1979-81--CON.

AGE IN YEARS	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED	PROPORTION OF PERSONS ALIVE AT BEGINNING OF YEAR OF AGE DYING DURING YEAR	NUMBER LIVING AT BEGINNING OF YEAR OF AGE	NUMBER DYING DURING YEAR OF AGE	IN YEAR OF AGE	IN THIS YEAR OF AGE AND ALL SUBSEQUENT YEARS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF YEAR OF AGE
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x+1$	q_x	l_x	d_x	L_x	T_x	$\mathring{e}_x$
55-56	.00702	91,248	640	90,928	2,294,210	25.14
56-57	.00764	90,608	693	90,262	2,203,282	24.32
57-58	.00833	89,915	749	89,541	2,113,020	23.50
58-59	.00911	89,166	813	88,759	2,023,479	22.69
59-60	.00999	88,353	882	87,912	1,934,720	21.90
60-61	.01093	87,471	957	86,993	1,846,808	21.11
61-62	.01197	86,514	1,035	85,996	1,759,815	20.34
62-63	.01315	85,479	1,124	84,918	1,673,819	19.58
63-64	.01450	84,355	1,223	83,743	1,588,901	18.84
64-65	.01599	83,132	1,329	82,468	1,505,158	18.11
65-66	.01762	81,803	1,442	81,081	1,422,690	17.39
66-67	.01933	80,361	1,553	79,585	1,341,609	16.69
67-68	.02106	78,808	1,660	77,978	1,262,024	16.01
68-69	.02277	77,148	1,757	76,270	1,184,046	15.35
69-70	.02453	75,391	1,849	74,467	1,107,776	14.69
70-71	.02641	73,542	1,942	72,570	1,033,309	14.05
71-72	.02849	71,600	2,040	70,580	960,739	13.42
72-73	.03083	69,560	2,145	68,488	890,159	12.80
73-74	.03348	67,415	2,257	66,286	821,671	12.19
74-75	.03644	65,158	2,375	63,971	755,385	11.59
75-76	.03960	62,783	2,486	61,540	691,414	11.01
76-77	.04301	60,297	2,594	59,000	629,874	10.45
77-78	.04692	57,703	2,707	56,350	570,874	9.89
78-79	.05145	54,996	2,829	53,582	514,524	9.36
79-80	.05660	52,167	2,953	50,690	460,942	8.84
80-81	.06228	49,214	3,065	47,682	410,252	8.34
81-82	.06835	46,149	3,154	44,572	362,570	7.86
82-83	.07486	42,995	3,219	41,385	317,998	7.40
83-84	.08182	39,776	3,254	38,149	276,613	6.95
84-85	.08933	36,522	3,263	34,891	238,464	6.53
85-86	.09860	33,259	3,279	31,619	203,573	6.12
86-87	.10894	29,980	3,266	28,347	171,954	5.74
87-88	.11962	26,714	3,196	25,115	143,607	5.38
88-89	.13037	23,518	3,066	21,985	118,492	5.04
89-90	.14164	20,452	2,897	19,004	96,507	4.72
90-91	.15460	17,555	2,714	16,198	77,503	4.41
91-92	.16957	14,841	2,517	13,583	61,305	4.13
92-93	.18553	12,324	2,286	11,181	47,722	3.87
93-94	.20173	10,038	2,025	9,025	36,541	3.64
94-95	.21794	8,013	1,746	7,140	27,516	3.43
95-96	.23432	6,267	1,469	5,532	20,376	3.25
96-97	.24900	4,798	1,195	4,201	14,844	3.09
97-98	.26304	3,603	947	3,129	10,643	2.95
98-99	.27638	2,656	734	2,289	7,514	2.83
99-100	.28900	1,922	556	1,644	5,225	2.72
100-101	.30087	1,366	411	1,161	3,581	2.62
101-102	.31200	955	298	806	2,420	2.53
102-103	.32238	657	212	551	1,614	2.46
103-104	.33203	445	148	372	1,063	2.39
104-105	.34098	297	101	246	691	2.32
105-106	.34926	196	68	162	445	2.27
106-107	.35688	128	46	105	283	2.22
107-108	.36390	82	30	67	178	2.17
108-109	.37033	52	19	43	111	2.13
109-110	.37623	33	13	26	68	2.08

TABLE 9. LIFE TABLE FOR WHITE MALES: MINNESOTA, 1979-81

AGE IN YEARS	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED	PROPORTION OF PERSONS ALIVE AT BEGINNING OF YEAR OF AGE DYING DURING YEAR	NUMBER LIVING AT BEGINNING OF YEAR OF AGE	NUMBER DYING DURING YEAR OF AGE	IN YEAR OF AGE	IN THIS YEAR OF AGE AND ALL SUBSEQUENT YEARS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF YEAR OF AGE
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x+1$	q_x	l_x	d_x	L_x	T_x	$\mathring{e}_x$
0-1	.01125	100,000	1,125	99,097	7,263,373	72.63
1-2	.00078	98,875	77	98,837	7,164,276	72.46
2-3	.00063	98,798	62	98,767	7,065,439	71.51
3-4	.00051	98,736	51	98,710	6,966,672	70.56
4-5	.00044	98,685	43	98,664	6,867,962	69.59
5-6	.00038	98,642	37	98,623	6,769,298	68.63
6-7	.00035	98,605	35	98,587	6,670,675	67.65
7-8	.00032	98,570	32	98,554	6,572,088	66.67
8-9	.00028	98,538	28	98,524	6,473,534	65.70
9-10	.00023	98,510	23	98,499	6,375,010	64.71
10-11	.00018	98,487	18	98,478	6,276,511	63.73
11-12	.00018	98,469	18	98,460	6,178,033	62.74
12-13	.00026	98,451	26	98,438	6,079,573	61.75
13-14	.00044	98,425	43	98,404	5,981,135	60.77
14-15	.00066	98,382	65	98,349	5,882,731	59.79
15-16	.00088	98,317	86	98,275	5,784,382	58.83
16-17	.00107	98,231	105	98,178	5,686,107	57.89
17-18	.00123	98,126	120	98,066	5,587,929	56.95
18-19	.00135	98,006	133	97,940	5,489,863	56.02
19-20	.00146	97,873	142	97,801	5,391,923	55.09
20-21	.00157	97,731	154	97,654	5,294,122	54.17
21-22	.00168	97,577	164	97,495	5,196,468	53.26
22-23	.00173	97,413	168	97,330	5,098,973	52.34
23-24	.00170	97,245	165	97,162	5,001,643	51.43
24-25	.00162	97,080	157	97,002	4,904,481	50.52
25-26	.00151	96,923	146	96,850	4,807,479	49.60
26-27	.00141	96,777	137	96,708	4,710,629	48.68
27-28	.00133	96,640	128	96,576	4,613,921	47.74
28-29	.00127	96,512	123	96,450	4,517,345	46.81
29-30	.00125	96,389	120	96,329	4,420,895	45.87
30-31	.00122	96,269	118	96,210	4,324,566	44.92
31-32	.00119	96,151	114	96,094	4,228,356	43.98
32-33	.00118	96,037	114	95,979	4,132,262	43.03
33-34	.00120	95,923	115	95,866	4,036,283	42.08
34-35	.00125	95,808	120	95,747	3,940,417	41.13
35-36	.00132	95,688	127	95,625	3,844,670	40.18
36-37	.00141	95,561	135	95,494	3,749,045	39.23
37-38	.00151	95,426	144	95,354	3,653,551	38.29
38-39	.00161	95,282	154	95,205	3,558,197	37.34
39-40	.00172	95,128	163	95,047	3,462,992	36.40
40-41	.00186	94,965	177	94,876	3,367,945	35.47
41-42	.00205	94,788	195	94,690	3,273,069	34.53
42-43	.00227	94,593	215	94,486	3,178,379	33.60
43-44	.00251	94,378	237	94,260	3,083,893	32.68
44-45	.00279	94,141	263	94,009	2,989,633	31.76
45-46	.00309	93,878	290	93,734	2,895,624	30.84
46-47	.00345	93,588	323	93,426	2,801,890	29.94
47-48	.00391	93,265	365	93,082	2,708,464	29.04
48-49	.00449	92,900	418	92,692	2,615,382	28.15
49-50	.00516	92,482	477	92,244	2,522,690	27.28
50-51	.00587	92,005	540	91,735	2,430,446	26.42
51-52	.00658	91,465	602	91,164	2,338,711	25.57
52-53	.00728	90,863	661	90,533	2,247,547	24.74
53-54	.00796	90,202	718	89,843	2,157,014	23.91
54-55	.00865	89,484	774	89,096	2,067,171	23.10

TABLE 5. LIFE TABLE FOR WHITE MALES: MINNESOTA, 1979-81--CON.

AGE IN YEARS	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED	PROPORTION OF PERSONS ALIVE AT BEGINNING OF YEAR OF AGE DYING DURING YEAR	NUMBER LIVING AT BEGINNING OF YEAR OF AGE	NUMBER DYING DURING YEAR OF AGE	IN YEAR OF AGE	IN THIS YEAR OF AGE AND ALL SUBSEQUENT YEARS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF YEAR OF AGE
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x+1$	q_x	l_x	d_x	L_x	T_x	$\mathring{e}_x$
55-56	.00938	88,710	832	88,294	1,978,075	22.30
56-57	.01018	87,878	894	87,431	1,889,781	21.50
57-58	.01110	86,984	966	86,501	1,802,350	20.72
58-59	.01221	86,018	1,050	85,493	1,715,849	19.95
59-60	.01349	84,968	1,147	84,395	1,630,356	19.19
60-61	.01490	83,821	1,248	83,197	1,545,961	18.44
61-62	.01642	82,573	1,356	81,895	1,462,764	17.71
62-63	.01816	81,217	1,475	80,479	1,380,869	17.00
63-64	.02013	79,742	1,605	78,940	1,300,390	16.31
64-65	.02229	78,137	1,742	77,265	1,221,450	15.63
65-66	.02464	76,395	1,883	75,454	1,144,185	14.98
66-67	.02710	74,512	2,019	73,503	1,068,731	14.34
67-68	.02958	72,493	2,144	71,420	995,228	13.73
68-69	.03203	70,349	2,253	69,223	923,808	13.13
69-70	.03451	68,096	2,351	66,920	854,585	12.55
70-71	.03715	65,745	2,442	64,524	787,665	11.98
71-72	.04006	63,303	2,536	62,035	723,141	11.42
72-73	.04326	60,767	2,629	59,453	661,106	10.88
73-74	.04683	58,138	2,722	56,777	601,653	10.35
74-75	.05080	55,416	2,816	54,008	544,876	9.83
75-76	.05510	52,600	2,898	51,151	490,868	9.33
76-77	.05978	49,702	2,971	48,216	439,717	8.85
77-78	.06497	46,731	3,036	45,213	391,501	8.38
78-79	.07072	43,695	3,091	42,149	346,288	7.93
79-80	.07702	40,604	3,127	39,041	304,139	7.49
80-81	.08392	37,477	3,145	35,905	265,098	7.07
81-82	.09135	34,332	3,136	32,764	229,193	6.68
82-83	.09913	31,196	3,093	29,649	196,429	6.30
83-84	.10718	28,103	3,012	26,597	166,780	5.93
84-85	.11563	25,091	2,901	23,641	140,183	5.59
85-86	.12594	22,190	2,795	20,792	116,542	5.25
86-87	.13737	19,395	2,664	18,064	95,750	4.94
87-88	.14904	16,731	2,494	15,484	77,686	4.64
88-89	.16056	14,237	2,285	13,094	62,202	4.37
89-90	.17238	11,952	2,061	10,922	49,108	4.11
90-91	.18563	9,891	1,836	8,973	38,186	3.86
91-92	.20094	8,055	1,618	7,246	29,213	3.63
92-93	.21748	6,437	1,400	5,737	21,967	3.41
93-94	.23433	5,037	1,181	4,446	16,230	3.22
94-95	.25058	3,856	966	3,373	11,784	3.06
95-96	.26617	2,890	769	2,506	8,411	2.91
96-97	.28001	2,121	594	1,824	5,905	2.78
97-98	.29311	1,527	448	1,303	4,081	2.67
98-99	.30545	1,079	329	915	2,778	2.57
99-100	.31703	750	238	630	1,863	2.49
100-101	.32784	512	168	429	1,233	2.41
101-102	.33791	344	116	286	804	2.34
102-103	.34724	228	79	188	518	2.28
103-104	.35588	149	53	122	330	2.22
104-105	.36384	96	35	79	208	2.17
105-106	.37117	61	23	49	129	2.12
106-107	.37790	38	14	31	80	2.08
107-108	.38407	24	9	20	49	2.04
108-109	.38971	15	6	11	29	2.01
109-110	.39486	9	4	8	18	1.97

TABLE 6. LIFE TABLE FOR WHITE FEMALES: MINNESOTA, 1979-81

AGE IN YEARS	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED	PROPORTION OF PERSONS ALIVE AT BEGINNING OF YEAR OF AGE DYING DURING YEAR	NUMBER LIVING AT BEGINNING OF YEAR OF AGE	NUMBER DYING DURING YEAR OF AGE	IN YEAR OF AGE	IN THIS YEAR OF AGE AND ALL SUBSEQUENT YEARS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF YEAR OF AGE
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x+1$	q_x	l_x	d_x	L_x	T_x	$\mathring{e}_x$
0-1	.00874	100,000	874	99,296	7,989,677	79.90
1-2	.00050	99,126	50	99,102	7,890,381	79.60
2-3	.00041	99,076	41	99,056	7,791,279	78.64
3-4	.00035	99,035	35	99,017	7,692,223	77.67
4-5	.00031	99,000	31	98,985	7,593,206	76.70
5-6	.00029	98,969	29	98,955	7,494,221	75.72
6-7	.00027	98,940	27	98,926	7,395,266	74.74
7-8	.00025	98,913	25	98,901	7,296,340	73.77
8-9	.00023	98,888	23	98,876	7,197,439	72.78
9-10	.00019	98,865	19	98,856	7,098,563	71.80
10-11	.00016	98,846	16	98,839	6,999,707	70.81
11-12	.00015	98,830	15	98,822	6,900,868	69.83
12-13	.00017	98,815	16	98,807	6,802,046	68.84
13-14	.00021	98,799	21	98,788	6,703,239	67.85
14-15	.00028	98,778	28	98,764	6,604,451	66.86
15-16	.00035	98,750	35	98,732	6,505,687	65.88
16-17	.00041	98,715	40	98,695	6,406,955	64.90
17-18	.00045	98,675	44	98,653	6,308,260	63.93
18-19	.00048	98,631	47	98,608	6,209,607	62.96
19-20	.00049	98,584	48	98,559	6,110,999	61.99
20-21	.00050	98,536	50	98,511	6,012,440	61.02
21-22	.00052	98,486	51	98,461	5,913,929	60.05
22-23	.00052	98,435	52	98,409	5,815,468	59.08
23-24	.00051	98,383	50	98,358	5,717,059	58.11
24-25	.00049	98,333	49	98,308	5,618,701	57.14
25-26	.00047	98,284	46	98,261	5,520,393	56.17
26-27	.00045	98,238	44	98,217	5,422,132	55.19
27-28	.00043	98,194	42	98,173	5,323,915	54.22
28-29	.00044	98,152	43	98,131	5,225,742	53.24
29-30	.00045	98,109	45	98,086	5,127,611	52.26
30-31	.00048	98,064	46	98,041	5,029,525	51.29
31-32	.00050	98,018	50	97,993	4,931,484	50.31
32-33	.00054	97,968	52	97,942	4,833,491	49.34
33-34	.00058	97,916	57	97,888	4,735,549	48.36
34-35	.00063	97,859	62	97,828	4,637,661	47.39
35-36	.00070	97,797	69	97,762	4,539,833	46.42
36-37	.00078	97,728	76	97,690	4,442,071	45.45
37-38	.00087	97,652	85	97,610	4,344,381	44.49
38-39	.00096	97,567	94	97,520	4,246,771	43.53
39-40	.00105	97,473	102	97,422	4,149,251	42.57
40-41	.00116	97,371	114	97,314	4,051,829	41.61
41-42	.00129	97,257	125	97,195	3,954,515	40.66
42-43	.00143	97,132	139	97,062	3,857,320	39.71
43-44	.00158	96,993	153	96,916	3,760,258	38.77
44-45	.00174	96,840	169	96,756	3,663,342	37.83
45-46	.00192	96,671	185	96,579	3,566,586	36.89
46-47	.00211	96,486	204	96,384	3,470,007	35.96
47-48	.00233	96,282	224	96,170	3,373,623	35.04
48-49	.00255	96,058	244	95,936	3,277,453	34.12
49-50	.00278	95,814	267	95,680	3,181,517	33.21
50-51	.00301	95,547	287	95,404	3,085,837	32.30
51-52	.00326	95,260	311	95,104	2,990,433	31.39
52-53	.00355	94,949	338	94,780	2,895,329	30.49
53-54	.00390	94,611	369	94,427	2,800,549	29.60
54-55	.00430	94,242	406	94,039	2,706,122	28.71

TABLE 6. LIFE TABLE FOR WHITE FEMALES: MINNESOTA, 1979-81--CON.

AGE IN YEARS	PROPORTION DYING	OF 100,000 BORN ALIVE		STATIONARY POPULATION		AVERAGE REMAINING LIFETIME
PERIOD OF LIFE BETWEEN TWO EXACT AGES STATED	PROPORTION OF PERSONS ALIVE AT BEGINNING OF YEAR OF AGE DYING DURING YEAR	NUMBER LIVING AT BEGINNING OF YEAR OF AGE	NUMBER DYING DURING YEAR OF AGE	IN YEAR OF AGE	IN THIS YEAR OF AGE AND ALL SUBSEQUENT YEARS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING AT BEGINNING OF YEAR OF AGE
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to $x+1$	q_x	l_x	d_x	L_x	T_x	$\mathring{e}_x$
55-56	.00475	93,836	445	93,614	2,612,083	27.84
56-57	.00521	93,391	486	93,148	2,518,469	26.97
57-58	.00569	92,905	529	92,641	2,425,321	26.11
58-59	.00618	92,376	571	92,091	2,332,680	25.25
59-60	.00671	91,805	616	91,497	2,240,589	24.41
60-61	.00728	91,189	664	90,857	2,149,092	23.57
61-62	.00792	90,525	717	90,166	2,058,235	22.74
62-63	.00866	89,808	777	89,420	1,968,069	21.91
63-64	.00951	89,031	848	88,607	1,878,649	21.10
64-65	.01048	88,183	923	87,721	1,790,042	20.30
65-66	.01155	87,260	1,008	86,756	1,702,321	19.51
66-67	.01269	86,252	1,094	85,705	1,615,565	18.73
67-68	.01388	85,158	1,182	84,567	1,529,860	17.97
68-69	.01510	83,976	1,268	83,341	1,445,293	17.21
69-70	.01640	82,708	1,357	82,030	1,361,952	16.47
70-71	.01781	81,351	1,449	80,627	1,279,922	15.73
71-72	.01942	79,902	1,551	79,126	1,199,295	15.01
72-73	.02130	78,351	1,669	77,516	1,120,169	14.30
73-74	.02351	76,682	1,803	75,781	1,042,653	13.60
74-75	.02603	74,879	1,949	73,904	966,872	12.91
75-76	.02872	72,930	2,095	71,883	892,968	12.24
76-77	.03164	70,835	2,241	69,714	821,085	11.59
77-78	.03504	68,594	2,403	67,393	751,371	10.95
78-79	.03911	66,191	2,589	64,896	683,978	10.33
79-80	.04382	63,602	2,787	62,208	619,082	9.73
80-81	.04903	60,815	2,982	59,325	556,874	9.16
81-82	.05460	57,833	3,158	56,254	497,549	8.60
82-83	.06069	54,675	3,318	53,016	441,295	8.07
83-84	.06736	51,357	3,459	49,627	388,279	7.56
84-85	.07471	47,898	3,579	46,109	338,652	7.07
85-86	.08399	44,319	3,722	42,458	292,543	6.60
86-87	.09432	40,597	3,830	38,682	250,085	6.16
87-88	.10511	36,767	3,864	34,835	211,403	5.75
88-89	.11613	32,903	3,821	30,992	176,568	5.37
89-90	.12785	29,082	3,718	27,223	145,576	5.01
90-91	.14143	25,364	3,587	23,570	118,353	4.67
91-92	.15697	21,777	3,419	20,068	94,783	4.35
92-93	.17324	18,358	3,180	16,768	74,715	4.07
93-94	.18947	15,178	2,876	13,740	57,947	3.82
94-95	.20568	12,302	2,530	11,037	44,207	3.59
95-96	.22228	9,772	2,172	8,686	33,170	3.39
96-97	.23729	7,600	1,804	6,698	24,484	3.22
97-98	.25173	5,796	1,459	5,067	17,786	3.07
98-99	.26551	4,337	1,151	3,761	12,719	2.93
99-100	.27859	3,186	888	2,742	8,958	2.81
100-101	.29094	2,298	668	1,964	6,216	2.70
101-102	.30255	1,630	493	1,383	4,252	2.61
102-103	.31342	1,137	357	958	2,869	2.52
103-104	.32355	780	252	654	1,911	2.45
104-105	.33297	528	176	440	1,257	2.38
105-106	.34168	352	120	292	817	2.32
106-107	.34973	232	81	191	525	2.26
107-108	.35715	151	54	124	334	2.21
108-109	.36397	97	35	79	210	2.17
109-110	.37022	62	23	51	131	2.12

TABLE 7. STANDARD ERRORS OF THE PROBABILITY OF DYING: MINNESOTA, 1979-81

EXACT AGE IN YEARS	TOTAL			WHITE			ALL OTHER					
							TOTAL			BLACK		
	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
0.....	.000227	.000335	.000303	.000229	.000338	.000307	*	*	*	*	*	*
1.....	.000061	.000092	.000078	.000060	.000092	.000076	*	*	*	*	*	*
2.....	.000055	.000084	.000071	.000055	.000084	.000070	*	*	*	*	*	*
3.....	.000051	.000079	.000064	.000051	.000077	.000066	*	*	*	*	*	*
4.....	.000047	.000071	.000060	.000048	.000072	.000062	*	*	*	*	*	*
5.....	.000045	.000066	.000059	.000045	.000067	.000061	*	*	*	*	*	*
6.....	.000042	.000063	.000057	.000044	.000064	.000058	*	*	*	*	*	*
7.....	.000040	.000059	.000054	.000042	.000061	.000056	*	*	*	*	*	*
8.....	.000037	.000055	.000051	.000039	.000057	.000052	*	*	*	*	*	*
9.....	.000034	.000049	.000047	.000035	.000051	.000048						
10.....	.000031	.000044	.000043	.000031	.000045	.000043	*	*	*	*	*	*
11.....	.000030	.000044	.000041	.000030	.000044	.000041	*	*	*	*	*	*
12.....	.000034	.000052	.000043	.000034	.000052	.000042	*	*	*	*	*	*
13.....	.000040	.000065	.000047	.000041	.000065	.000047	*	*	*	*	*	*
14.....	.000047	.000077	.000052	.000048	.000078	.000052						
15.....	.000052	.000087	.000056	.000053	.000088	.000057	*	*	*	*	*	*
16.....	.000056	.000094	.000059	.000057	.000095	.000060	*	*	*	*	*	*
17.....	.000059	.000099	.000061	.000060	.000101	.000062	*	*	*	*	*	*
18.....	.000061	.000104	.000062	.000062	.000106	.000063	*	*	*	*	*	*
19.....	.000063	.000109	.000063	.000064	.000111	.000064						
20.....	.000066	.000114	.000065	.000066	.000116	.000065	*	*	*	*	*	*
21.....	.000068	.000119	.000066	.000069	.000121	.000067	*	*	*	*	*	*
22.....	.000069	.000122	.000067	.000070	.000124	.000067	*	*	*	*	*	*
23.....	.000069	.000122	.000067	.000070	.000123	.000067	*	*	*	*	*	*
24.....	.000068	.000119	.000066	.000069	.000121	.000066						
25.....	.000066	.000116	.000065	.000067	.000117	.000065	*	*	*	*	*	*
26.....	.000065	.000113	.000064	.000066	.000114	.000064	*	*	*	*	*	*
27.....	.000064	.000111	.000064	.000065	.000112	.000064	*	*	*	*	*	*
28.....	.000064	.000110	.000065	.000065	.000111	.000065	*	*	*	*	*	*
29.....	.000065	.000111	.000067	.000065	.000111	.000067						
30.....	.000066	.000112	.000070	.000066	.000112	.000070	*	*	*	*	*	*
31.....	.000067	.000112	.000073	.000067	.000112	.000073	*	*	*	*	*	*
32.....	.000069	.000114	.000076	.000069	.000114	.000077	*	*	*	*	*	*
33.....	.000072	.000118	.000081	.000071	.000117	.000081	*	*	*	*	*	*
34.....	.000075	.000123	.000087	.000075	.000122	.000087						
35.....	.000080	.000130	.000094	.000080	.000129	.000094	*	*	*	*	*	*
36.....	.000086	.000138	.000102	.000085	.000137	.000102	*	*	*	*	*	*
37.....	.000092	.000147	.000110	.000091	.000145	.000110	*	*	*	*	*	*
38.....	.000098	.000155	.000119	.000097	.000154	.000119	*	*	*	*	*	*
39.....	.000104	.000163	.000127	.000103	.000162	.000127						
40.....	.000110	.000173	.000137	.000109	.000172	.000135	*	*	*	*	*	*
41.....	.000118	.000185	.000147	.000117	.000184	.000145	*	*	*	*	*	*
42.....	.000126	.000197	.000157	.000125	.000197	.000155	*	*	*	*	*	*
43.....	.000134	.000210	.000167	.000133	.000209	.000165	*	*	*	*	*	*
44.....	.000142	.000223	.000176	.000142	.000223	.000175						
45.....	.000150	.000237	.000186	.000150	.000236	.000185	*	*	*	*	*	*
46.....	.000159	.000251	.000196	.000159	.000251	.000196	*	*	*	*	*	*
47.....	.000169	.000268	.000206	.000169	.000268	.000206	*	*	*	*	*	*
48.....	.000179	.000286	.000214	.000179	.000287	.000215	*	*	*	*	*	*
49.....	.000188	.000305	.000222	.000189	.000306	.000223						
50.....	.000197	.000323	.000229	.000198	.000324	.000230	*	*	*	*	*	*
51.....	.000206	.000340	.000237	.000207	.000341	.000238	*	*	*	*	*	*
52.....	.000215	.000356	.000246	.000216	.000358	.000247	*	*	*	*	*	*
53.....	.000225	.000371	.000257	.000226	.000374	.000258	*	*	*	*	*	*
54.....	.000235	.000388	.000270	.000236	.000390	.000271	*	*	*	*	*	*

TABLE 7. STANDARD ERRORS OF THE PROBABILITY OF DYING: MINNESOTA, 1979-81--CON.

EXACT AGE IN YEARS	TOTAL			WHITE			ALL OTHER					
							TOTAL			BLACK		
	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
55.....	.000246	.000404	.000285	.000247	.000407	.000285	*	*	*	*	*	*
56.....	.000257	.000422	.000299	.000258	.000425	.000299	*	*	*	*	*	*
57.....	.000270	.000443	.000313	.000271	.000446	.000313	*	*	*	*	*	*
58.....	.000284	.000469	.000328	.000285	.000472	.000328	*	*	*	*	*	*
59.....	.000300	.000500	.000343	.000301	.000503	.000344	*	*	*	*	*	*
60.....	.000317	.000534	.000360	.000319	.000536	.000361	*	*	*	*	*	*
61.....	.000336	.000569	.000378	.000337	.000571	.000380	*	*	*	*	*	*
62.....	.000356	.000608	.000398	.000357	.000610	.000400	*	*	*	*	*	*
63.....	.000378	.000648	.000421	.000379	.000651	.000423	*	*	*	*	*	*
64.....	.000401	.000691	.000445	.000403	.000694	.000448						
65.....	.000425	.000736	.000472	.000427	.000739	.000474	*	*	*	*	*	*
66.....	.000451	.000783	.000499	.000453	.000787	.000502	*	*	*	*	*	*
67.....	.000477	.000832	.000528	.000480	.000837	.000531	*	*	*	*	*	*
68.....	.000504	.000883	.000558	.000507	.000889	.000561	*	*	*	*	*	*
69.....	.000533	.000938	.000590	.000536	.000945	.000593						
70.....	.000564	.000998	.000625	.000568	.001005	.000629	*	*	*	*	*	*
71.....	.000599	.001063	.000664	.000603	.001071	.000668	*	*	*	*	*	*
72.....	.000637	.001136	.000707	.000641	.001144	.000711	*	*	*	*	*	*
73.....	.000678	.001217	.000755	.000682	.001225	.000759	*	*	*	*	*	*
74.....	.000724	.001307	.000808	.000728	.001315	.000812						
75.....	.000773	.001407	.000863	.000776	.001415	.000867	*	*	*	*	*	*
76.....	.000826	.001517	.000923	.000830	.001525	.000927	*	*	*	*	*	*
77.....	.000886	.001639	.000992	.000890	.001646	.000996	*	*	*	*	*	*
78.....	.000955	.001772	.001073	.000959	.001780	.001077	*	*	*	*	*	*
79.....	.001032	.001918	.001166	.001036	.001928	.001171						
80.....	.001117	.002079	.001268	.001123	.002091	.001274	*	*	*	*	*	*
81.....	.001211	.002259	.001380	.001218	.002273	.001386	*	*	*	*	*	*
82.....	.001317	.002460	.001505	.001324	.002475	.001511	*	*	*	*	*	*
83.....	.001437	.002687	.001648	.001444	.002704	.001654	*	*	*	*	*	*
84.....	.001574	.002949	.001812	.001582	.002967	.001819						
85.....	.001741	.003265	.002012	.001748	.003282	.002020	*	*	*	*	*	*
86.....	.001934	.003634	.002243	.001942	.003651	.002251	*	*	*	*	*	*
87.....	.002155	.004060	.002506	.002164	.004079	.002515	*	*	*	*	*	*
88.....	.002411	.004558	.002808	.002422	.004580	.002819	*	*	*	*	*	*
89.....	.002716	.005158	.003167	.002730	.005186	.003181						
90.....	.003105	.005932	.003620	.003123	.005970	.003640	*	*	*	*	*	*
91.....	.003605	.006952	.004196	.003629	.007005	.004222	*	*	*	*	*	*
92.....	.004218	.008235	.004893	.004251	.008309	.004928	*	*	*	*	*	*
93.....	.004934	.009742	.005702	.004977	.009839	.005747	*	*	*	*	*	*
94.....	.005757	.011441	.006640	.005812	.011559	.006698						
95.....	.007097	.014263	.008155	.007005	.014001	.008064	*	*	*	*	*	*
96.....	.008389	.016931	.009631	.008320	.016693	.009570	*	*	*	*	*	*
97.....	.009813	.020377	.011205	.009774	.020276	.011179	*	*	*	*	*	*
98.....	.011553	.024403	.013119	.011565	.024403	.013150	*	*	*	*	*	*
99.....	.013688	.029416	.015458	.013780	.029581	.015576						
100....	.016321	.035686	.018329	.016535	.036111	.018580	*	*	*	*	*	*
101....	.019578	.043558	.021868	.019977	.044380	.022316	*	*	*	*	*	*
102....	.023629	.053478	.026249	.024290	.054899	.026984	*	*	*	*	*	*
103....	.028680	.066024	.031692	.029733	.068333	.032843	*	*	*	*	*	*
104....	.035001	.081944	.038478	.036619	.085556	.040227						
105....	.042937	.102208	.046968	.045365	.107717	.049567	*	*	*	*	*	*
106....	.052932	.128078	.057622	.056512	.136327	.061427	*	*	*	*	*	*
107....	.065555	.161194	.071031	.070769	.173382	.076539	*	*	*	*	*	*
108....	.081538	.203695	.087954	.089059	.221516	.095856	*	*	*	*	*	*
109....	.101828	.258368	.109366	.112592	.284214	.120623						

TABLE 8. STANDARD ERRORS OF THE AVERAGE REMAINING LIFETIME: MINNESOTA, 1979-81

EXACT AGE IN YEARS	TOTAL			WHITE			ALL OTHER					
							TOTAL			BLACK		
	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
0	.045	.063	.062	.046	.064	.062	*	*	*	*	*	*
1	.042	.059	.057	.043	.059	.057	*	*	*	*	*	*
2	.042	.059	.057	.042	.059	.057	*	*	*	*	*	*
3	.042	.059	.057	.042	.059	.057	*	*	*	*	*	*
4	.042	.058	.057	.042	.059	.057	*	*	*	*	*	*
5	.042	.058	.056	.042	.058	.057	*	*	*	*	*	*
6	.042	.058	.056	.042	.058	.056	*	*	*	*	*	*
7	.041	.058	.056	.042	.058	.056	*	*	*	*	*	*
8	.041	.058	.056	.042	.058	.056	*	*	*	*	*	*
9	.041	.058	.056	.041	.058	.056	*	*	*	*	*	*
10	.041	.058	.056	.041	.058	.056	*	*	*	*	*	*
11	.041	.057	.056	.041	.058	.056	*	*	*	*	*	*
12	.041	.057	.056	.041	.058	.056	*	*	*	*	*	*
13	.041	.057	.056	.041	.058	.056	*	*	*	*	*	*
14	.041	.057	.055	.041	.058	.056	*	*	*	*	*	*
15	.041	.057	.055	.041	.057	.056	*	*	*	*	*	*
16	.041	.057	.055	.041	.057	.055	*	*	*	*	*	*
17	.041	.057	.055	.041	.057	.055	*	*	*	*	*	*
18	.041	.057	.055	.041	.057	.055	*	*	*	*	*	*
19	.040	.056	.055	.041	.057	.055	*	*	*	*	*	*
20	.040	.056	.055	.041	.056	.055	*	*	*	*	*	*
21	.040	.056	.055	.040	.056	.055	*	*	*	*	*	*
22	.040	.056	.055	.040	.056	.055	*	*	*	*	*	*
23	.040	.055	.055	.040	.056	.055	*	*	*	*	*	*
24	.040	.055	.054	.040	.055	.054	*	*	*	*	*	*
25	.040	.055	.054	.040	.055	.054	*	*	*	*	*	*
26	.040	.055	.054	.040	.055	.054	*	*	*	*	*	*
27	.039	.054	.054	.040	.055	.054	*	*	*	*	*	*
28	.039	.054	.054	.040	.054	.054	*	*	*	*	*	*
29	.039	.054	.054	.039	.054	.054	*	*	*	*	*	*
30	.039	.054	.054	.039	.054	.054	*	*	*	*	*	*
31	.039	.054	.054	.039	.054	.054	*	*	*	*	*	*
32	.039	.054	.054	.039	.054	.054	*	*	*	*	*	*
33	.039	.053	.054	.039	.054	.054	*	*	*	*	*	*
34	.039	.053	.053	.039	.053	.054	*	*	*	*	*	*
35	.039	.053	.053	.039	.053	.053	*	*	*	*	*	*
36	.039	.053	.053	.039	.053	.053	*	*	*	*	*	*
37	.038	.053	.053	.039	.053	.053	*	*	*	*	*	*
38	.038	.052	.053	.038	.053	.053	*	*	*	*	*	*
39	.038	.052	.053	.038	.052	.053	*	*	*	*	*	*
40	.038	.052	.052	.038	.052	.053	*	*	*	*	*	*
41	.038	.052	.052	.038	.052	.052	*	*	*	*	*	*
42	.038	.051	.052	.038	.052	.052	*	*	*	*	*	*
43	.037	.051	.052	.038	.051	.052	*	*	*	*	*	*
44	.037	.051	.051	.037	.051	.051	*	*	*	*	*	*
45	.037	.051	.051	.037	.051	.051	*	*	*	*	*	*
46	.037	.050	.051	.037	.050	.051	*	*	*	*	*	*
47	.037	.050	.050	.037	.050	.050	*	*	*	*	*	*
48	.036	.049	.050	.036	.050	.050	*	*	*	*	*	*
49	.036	.049	.050	.036	.049	.050	*	*	*	*	*	*
50	.036	.049	.049	.036	.049	.049	*	*	*	*	*	*
51	.035	.048	.049	.035	.048	.049	*	*	*	*	*	*
52	.035	.048	.048	.035	.048	.048	*	*	*	*	*	*
53	.035	.047	.048	.035	.047	.048	*	*	*	*	*	*
54	.034	.047	.048	.035	.047	.048	*	*	*	*	*	*

TABLE 8. STANDARD ERRORS OF THE AVERAGE REMAINING LIFETIME: MINNESOTA, 1979-81--CON.

EXACT AGE IN YEARS	TOTAL			WHITE			ALL OTHER					
							TOTAL			BLACK		
	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
55	.034	.046	.047	.034	.047	.047	*	*	*	*	*	*
56	.034	.046	.047	.034	.046	.047	*	*	*	*	*	*
57	.033	.045	.046	.034	.046	.046	*	*	*	*	*	*
58	.033	.045	.046	.033	.045	.046	*	*	*	*	*	*
59	.033	.045	.045	.033	.045	.045	*	*	*	*	*	*
60	.033	.044	.045	.033	.044	.045	*	*	*	*	*	*
61	.032	.044	.044	.032	.044	.044	*	*	*	*	*	*
62	.032	.043	.044	.032	.044	.044	*	*	*	*	*	*
63	.032	.043	.043	.032	.043	.044	*	*	*	*	*	*
64	.031	.043	.043	.031	.043	.043	*	*	*	*	*	*
65	.031	.042	.043	.031	.042	.043	*	*	*	*	*	*
66	.031	.042	.042	.031	.042	.042	*	*	*	*	*	*
67	.030	.041	.042	.030	.041	.042	*	*	*	*	*	*
68	.030	.041	.041	.030	.041	.041	*	*	*	*	*	*
69	.030	.041	.041	.030	.041	.040	*	*	*	*	*	*
70	.029	.040	.040	.029	.040	.040	*	*	*	*	*	*
71	.029	.040	.040	.029	.040	.039	*	*	*	*	*	*
72	.029	.040	.039	.029	.040	.039	*	*	*	*	*	*
73	.028	.039	.039	.028	.039	.038	*	*	*	*	*	*
74	.028	.039	.038	.028	.039	.038	*	*	*	*	*	*
75	.028	.039	.038	.028	.039	.038	*	*	*	*	*	*
76	.028	.039	.037	.027	.039	.037	*	*	*	*	*	*
77	.027	.038	.037	.027	.038	.037	*	*	*	*	*	*
78	.027	.038	.037	.027	.038	.036	*	*	*	*	*	*
79	.027	.038	.036	.027	.038	.036	*	*	*	*	*	*
80	.027	.038	.036	.027	.038	.036	*	*	*	*	*	*
81	.027	.039	.036	.027	.039	.036	*	*	*	*	*	*
82	.027	.039	.036	.027	.039	.036	*	*	*	*	*	*
83	.027	.040	.036	.027	.039	.036	*	*	*	*	*	*
84	.027	.040	.036	.027	.040	.036	*	*	*	*	*	*
85	.028	.041	.036	.028	.041	.036	*	*	*	*	*	*
86	.028	.043	.037	.028	.042	.036	*	*	*	*	*	*
87	.029	.044	.038	.029	.044	.037	*	*	*	*	*	*
88	.030	.046	.039	.030	.046	.038	*	*	*	*	*	*
89	.032	.049	.040	.031	.048	.039	*	*	*	*	*	*
90	.033	.053	.042	.032	.051	.041	*	*	*	*	*	*
91	.035	.057	.044	.034	.055	.043	*	*	*	*	*	*
92	.038	.062	.047	.037	.060	.046	*	*	*	*	*	*
93	.041	.069	.051	.040	.066	.049	*	*	*	*	*	*
94	.045	.077	.055	.043	.074	.053	*	*	*	*	*	*
95	.050	.087	.060	.047	.083	.058	*	*	*	*	*	*
96	.055	.098	.066	.052	.094	.063	*	*	*	*	*	*
97	.061	.113	.073	.058	.108	.070	*	*	*	*	*	*
98	.069	.129	.081	.066	.124	.078	*	*	*	*	*	*
99	.078	.150	.092	.075	.145	.088	*	*	*	*	*	*
100	.090	.176	.104	.086	.170	.100	*	*	*	*	*	*
101	.104	.209	.120	.100	.202	.116	*	*	*	*	*	*
102	.121	.249	.139	.118	.242	.135	*	*	*	*	*	*
103	.143	.300	.163	.139	.291	.158	*	*	*	*	*	*
104	.170	.363	.192	.166	.353	.188	*	*	*	*	*	*
105	.203	.441	.228	.200	.427	.225	*	*	*	*	*	*
106	.244	.540	.273	.242	.516	.270	*	*	*	*	*	*
107	.295	.662	.329	.294	.614	.327	*	*	*	*	*	*
108	.360	.813	.399	.359	.704	.398	*	*	*	*	*	*
109	.441	.998	.488	.437	.727	.485	*	*	*	*	*	*

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